



Department of Pediatrics
UNIVERSITY OF WISCONSIN
SCHOOL OF MEDICINE AND PUBLIC HEALTH

PAS GUIDEBOOK



April 2022

TABLE OF CONTENTS

Friday, April 22, 2022.....	3
Saturday, April 23, 2022	4-5
Sunday, April 24, 2022	6-8
Monday, April 25, 2022	9-10

This guidebook includes all **Department of Pediatrics** faculty and staff posters and oral presentations that will be presented at PAS 2022. For the full PAS 2022 schedule visit <https://2022.pas-meeting.org/>.

FRIDAY, APRIL 22, 2022

Poster Sessions

A NOVEL TOOL TO ASSESS SUBSPECIALITY FELLOW PEDIATRIC END OF LIFE CARE SKILLS

*S. Meiers

Session Title: Medical Education 3 - Medical
Education: Fellow 1

CO-LOCALIZATION OF ANGIOTENSIN AND TRANSFERRIN RECEPTORS VIA MULTILIGAND RECEPTOR MEGALIN IN GROWTH-RESTRICTED FETAL SHEEP KIDNEYS

*H. Zapata Galarza, N. Ramachandran, H. Prosek, P.
Kling, M. Harer, B. Pattnaik

Session Title: Nephrology I: Potpourri

INTEGRATION OF WELLNESS INTO THE CLERKSHIP PERIOD: AN INNOVATIVE CURRICULUM

*H. Kloster

Session Title: Medical Education 1 - Medical
Education: Medical Student

INVESTIGATING THE ASSOCIATION BETWEEN RENAL TISSUE OXYGENATION AND DEVELOPMENT OF AKI IN PRETERM NEONATES

*P. Condit, M. Harer, M. Lasarev

Session Title: Neonatal Nephrology/AKI I

VALIDITY EVIDENCE FOR A CENTRAL LINE INSERTION COMPETENCY CHECKLIST FOR PEDIATRIC CRITICAL CARE FELLOWS AND ITS ASSOCIATION WITH ENTRUSTMENT AND GLOBAL RATING SCALES

*S. Srinivasan

Session Title: Medical Education 3 - Medical
Education: Fellow 1

ACUTE KIDNEY INJURY IN PRETERM NEONATES DECREASES CEREBRAL TISSUE OXYGENATION

*K. Borowski, C. Adegboro, M. Harer

Session Title: Neonatal Nephrology/AKI I

DEVELOPMENT AND EVALUATION OF A NATIONAL REMOTE-LEARNING GLOBAL HEALTH EDUCATION COURSE BY THE AMERICAN ACADEMY OF PEDIATRICS

*J. Conway

Session Title: Global Child and Adolescent Health II

INTRA-OPERATIVE RENAL NIRS MONITORING OF NEONATES UNDERGOING CARDIAC SURGERY AND THE ASSOCIATION WITH ACUTE KIDNEY INJURY

*D. Gorski, M. Harer, M. Lasarev, A. Al-Subu

Session Title: Neonatal Nephrology/AKI I

RETICULOCYTE HEMOGLOBIN AS AN EARLY PREDICTOR OF IMPENDING ANEMIA IN A NONHUMAN PRIMATE MODEL OF INFANTILE IRON DEFICIENCY ANEMIA

*G. Lubach, C. Coe, P. Kling

Session Title: Neonatal Hematology & Bilirubin
Metabolism I

SATURDAY, APRIL 23, 2022

Workshops

DON'T STRUGGLE IN SOLITUDE: RECOVERY AND PEER SUPPORT AFTER UNANTICIPATED OUTCOMES, ERRORS, AND DIFFICULT CONVERSATIONS

Session Time: 8:00-9:30am US MT

Location: Convention Center: 406

Presenter: Heidi Kloster, MD

Oral Abstracts

ADOLESCENT PERSPECTIVES ON MENTAL HEALTH BENEFITS AND RISKS ASSOCIATED WITH TIKTOK USE

*B. Kerr, M. Moreno

Session Title: Social Media & Technology

Session Time: 1:00-1:15pm US MT

IN THEIR OWN WORDS: SAFETY AND QUALITY PERSPECTIVES FROM FAMILIES OF HOSPITALIZED CMC

*M. Kelly

Session Title: Hospital Medicine II: Potpourri

Session Time: 1:45-2:00pm US MT

CAFFEINE DISCONTINUATION AT A GREATER POST MENSTRUAL AGE IS ASSOCIATED WITH BETTER KIDNEY OUTCOMES AT 24 MONTHS CORRECTED AGE

*M. Harer

Session Title: Neonatal Nephrology/AKI

Session Time: 3:30-3:45pm US MT

Oral Poster

COVID-19 VACCINATION INTENTIONS FOR CHILDREN WITH MEDICAL COMPLEXITY

*K.D. Howell, G. DeMuri, D. Sklansky, K. Shadman, S. Butteris, Q. Zhao, M. Kelly, J. McBride, M.B. Edmonson

Session Title: Immunizations/Delivery Oral Poster Symposia

Session Time: 1:00-2:30pm US MT

ACES AND KINDERGARTEN ACADEMIC AND EMOTION REGULATION OUTCOMES IN A U.S. REPRESENTATIVE SAMPLE

*J. Poehlmann-Tynan

Session Title: Developmental and Behavioral Pediatrics II: Health Equity

Session Time: 1:00-1:15pm US MT

COL11A2 AS A CANDIDATE GENE FOR VERTEBRAL MALFORMATIONS AND CONGENITAL SCOLIOSIS

*R. Steiner

Session Title: Genomics/Epigenomics

Session Time: 1:45-2:00pm US MT

SATURDAY, APRIL 23, 2022

Poster Sessions

EFFICACY OF DUPILUMAB IN QUADRANTS OF ELEVATED VS LOW TYPE 2 BIOMARKERS IN CHILDREN WITH UNCONTROLLED, MODERATE-TO-SEVERE ASTHMA: LIBERTY ASTHMA VOYAGE

**D. Jackson*

Session Title: Pulmonology I

IMPLEMENTATION OF THE PEDIATRIC ECART EARLY WARNING SCORE IN A TERTIARY CHILDREN'S HOSPITAL

**A. Mayampurath*

Session Title: Hospital Medicine: Clinical NOS

ONLINE FRIENDSHIPS AND LONELINESS IN TRANSGENDER AND GENDER DIVERSE ADOLESCENTS

**E. Selkie, V. Adkins, Q. Zhao*

Session Title: Social Media & Technology I

PREDICTORS OF SUCCESSFUL TREATMENT OF RESPIRATORY DISTRESS WITH AEROSOLIZED CALFACTANT

**D. Kaluarachchi*

Session Title: Neonatal Respiratory I: RDS and Surfactant

SYSTEMATIC REVIEW OF STUDIES MEASURING SOCIAL MEDIA USE AND MENTAL HEALTH IN ADOLESCENTS, 2018-2020

**Q. Alfredson, M. Moreno*

Session Title: Social Media & Technology I

HERO SCORES, HIE, AND DEVELOPMENTAL OUTCOME: IS THERE AN ASSOCIATION?

**M. Derrer, J. Legare*

Session Title: Neonatal Follow-up II

MATERNAL DEPRESSION/ANXIETY AND INFANT DEVELOPMENT: DIFFERENTIAL RELATIONS WITH MOTHER-REPORTED AND LABORATORY-OBSERVED INFANT EMOTIONALITY

**K. Dowe, H. H. Goldsmith, E. Planalp*

Session Title: Developmental and Behavioral Pediatrics: Parenting

OXYGEN SATURATION PROFILES IN HEALTHY TERM INFANTS IN EARLY POST-NATAL LIFE

**E. Goetz, D. Kalurachchi, K. Rinaldo, N.*

Baumann-Blackmore, B. Smith, M. Lasarev, E. McBride

Session Title: Neonatal Respiratory II: Respiratory Physiology and Devices

SMILING THROUGH THE PAIN: A MIXED-METHODS STUDY OF ADOLESCENT EMOJI USE

**M. Moreo, B. Kerr*

Session Title: Social Media & Technology I

UNDERSTANDING NEWS ARTICLES ABOUT TEENS, SOCIAL MEDIA, AND DEPRESSION

*M. Bushman, *G. McDonagh, M. Moreno*

Session Title: Social Media & Technology I

SUNDAY, APRIL 24, 2022

Workshops

THE TIME IS NOW FOR NEONATAL CONTINUOUS RENAL REPLACEMENT THERAPY (CRRT): A CASE BASED WORKSHOP ON NEONATAL CRRT

Session Time: 1:00-2:30pm US MT

Location: Convention Center: 201/203

Presenter: Matthew Harer, MD

APA SIG

APA TEACHING IN COMMUNITY SETTINGS SIG

Session Time: 1:00-2:30pm US MT

Location: Convention Center: 205

SIG Chairs: Ann Allen, MD

APA TEACHING IN COMMUNITY SETTINGS SIG: INTRODUCTION

Session Time: 1:00-1:05pm US MT

Convention Center: 205

SIG Presenter: Ann Allen, MD

APA TEACHING IN COMMUNITY SETTINGS SIG: EMPOWERING LEARNERS: STRATEGIES AND SKILLS FOR EDUCATORS

Session Time: 1:15-2:30pm US MT

Location: Convention Center: 205

SIG Presenter: Jonathan Fliegel, MD, FAAP

Presidential Plenary

2022 NORMAN J. SIEGEL NEW MEMBER OUTSTANDING SCIENCE AWARD RECIPIENT PRESENTATION: NOTHING ABOUT US WITHOUT US: INTEGRATING ADOLESCENT VOICE INTO HEALTH RESEARCH

Session Time: 1:10-1:30pm US MT

Presenter: Megan Moreno, MD, MEd, MPH

SUNDAY, APRIL 24, 2022

Oral Abstracts

EFFECT OF ANTENATAL STEROIDS ON T CELL RECEPTOR EXCISION CIRCLE COPY NUMBERS IN PRETERM INFANTS

*D. Rodgers, *D. Kaluarachchi, M. Lasarev, C. Seroogy, M. Baker*

Session Title: Neonatal General II: ID and Immunology

Session Time: 10:45-11:00am US MT

GESTATIONAL AGE, ACADEMIC ACHIEVEMENT AND EMOTION REGULATION OUTCOMES AT KINDERGARTEN IN NATIONALLY REPRESENTATIVE SAMPLE, AND THE MODERATING ROLE OF SENSITIVE PARENTING

**J. Poehlmann-Tynan*

Session Title: Developmental and Behavioral Pediatrics IV: Parenting

Session Time: 1:45-2:00pm US MT

SUNDAY, APRIL 24, 2022

Poster Sessions

ASTHMA ACTION PLAN COMPLETION RATES: IMPLEMENTATION OF PEDIATRICIAN-IDENTIFIED IMPROVEMENTS

**K. Pletta, M. Moreno, B. Kerr*

Session Title: Asthma

IN-HOME COVID-19 TESTING FOR CHILDREN WITH MEDICAL COMPLEXITY: FEASIBILITY AND ASSOCIATION WITH SCHOOL SAFETY PERCEPTIONS

*R. Coller, *K.D. Howell, G. DeMuri, H. Barton, S. Butteris, M. Kelly, J. McBride, M. Kieren, E. Wald, S. Koval, N. Werner*

Session Title: Children with Chronic Conditions I

PEDIATRIC END OF LIFE WORKSHOP: A SAFE AND NOVEL PLACE FOR FELLOWS TO LEARN

**S. Meiers*

Session Title: Medical Education 8 - Medical Education: Fellow II

TEAMWORK MAKES THE DREAM WORK: RELATIONSHIP BETWEEN US PEDIATRIC RESIDENT BURNOUT AND THE LEARNING ENVIRONMENT

**S. Webber, J. Babal*

Session Title: Medical Education 9 - Medical Education: Resident II

CHARACTERISTICS OF PEDIATRIC HOSPITAL MEDICINE FELLOWSHIP LEADERS

**A. Allen*

Session Title: Hospital Medicine: Education/Research/QI Potpourri

PARENT DECISIONS FOR CHILDREN WITH MEDICAL COMPLEXITY TO ATTEND IN-PERSON SCHOOL DURING COVID-19

*R. Coller, J. Eickoff, S. Koval, E. Wald, Q. Zaho, *K.D. Howell, M. Kieren, J. McBride, M. Kelly, S. Butteris, N. Werner*

Session Title: Children with Chronic Conditions II

RESIDENT EDUCATION ON FOOD INSECURITY: PARTNERING WITH THE COMMUNITY TO IMPROVE RESIDENT COMFORT, SCREENING, AND REFERRALS

**S. Williams Al-Kharusy, K. Rogers, M. Mathur*

Session Title: Medical Education 9 - Medical Education: Resident II

MONDAY, APRIL 25, 2022

Workshops

APPLYING A SOCIAL JUSTICE LENS TO WELL-BEING CURRICULA ACROSS THE CONTINUUM

Session Time: 8:00-9:30am US MT
Location: Convention Center: 111/113
Presenter: Heidi Kloster, MD

APA SIG

APA WELL-BEING AND VITALITY SIG

Session Time: 1:00-2:30pm US MT
Location: Convention Center: 108
SIG Chair: Heidi Kloster, MD

APA WELL-BEING AND VITALITY SIG: WELLNESS AND VITALITY SIG: OVERVIEW OF ENDEAVORS TO DATE AND STATUS REPORT ON WELL-BEING OF APA MEMBERS

Session Time: 1:00-1:15pm US MT
Convention Center: 108
SIG Presenter: Heidi Kloster

Oral Abstracts

PPAX: CLUSTER RANDOMIZED TRIAL OF XYLITOL CHEWING GUM FOR PREVENTION OF PRETERM BIRTH IN MALAWI

*K. Antony
Session Title: Neonatal Clinical Trials II
Session Time: 8:45-9:00am US MT

ATOPIC PHENOTYPE IS INFLUENCED BY BIOLOGICAL SEX AND IRON DEFICIENCY AT BIRTH

*N. Mukhtarova, A. Babu, C. Coe, P. Kling
Session Title: Neonatal Fetal Nutrition &
Metabolism II
Session Time: 10:45-11:00am US MT

DEVELOPMENT OF AN ANTICIPATORY GUIDANCE TOOL FOR CHILDREN WITH MEDICAL COMPLEXITY

*R. Collier, H. Kloster
Session Title: Children with Chronic Conditions II
Session Time: 1:45-2:00pm US MT

FINDING OUR WAY TO WELLNESS: USING CONCEPT MAPPING TO CONCEPTUALIZE AND PRIORITIZE PEDIATRIC RESIDENT WELL-BEING DOMAINS

*J. Babal, S. Webber, M. Moreno, D. Sklansky, R. Collier, H. Kloster, R. Schultz
Session Title: Medical Education IV: Professional Identity & Wellbeing
Session Time: 10:30-10:45am US MT

DEVELOPMENT AND VALIDATION OF A TRIGGER TOOL FOR PEDIATRIC ADVERSE MEDICAL DEVICE EVENTS

*R. Collier
Session Title: Children with Chronic Conditions II
Session Time: 1:00-1:15pm US MT

MONDAY, APRIL 25, 2022

Poster Sessions

CAREGIVING NETWORKS OF CHILDREN WITH MEDICAL COMPLEXITY LIVING IN SOCIOECONOMICALLY DISADVANTAGED NEIGHBORHOODS

**M. Morgen, M. Kieren, R. Collier, N. Werner*
Session Title: Children with Chronic Conditions III

COVID-19 EFFECTS ON AUTHORSHIP IN THE JOURNAL OF PERINATOLOGY

**L. Gadeck*
Session Title: Neonatology General 10: ID - Inflammation – COVID

IMPLEMENTATION OF HEARING TARGETED SCREENING OF NEWBORNS FOR CONGENITAL CMV

**E. Goetz, B. Smith, J. Kessel*
Session Title: Medical Education 12 - Medical Education: Faculty Development

MULTI-CENTER STUDY OF HIGH-FLOW NASAL CANNULA INITIATION AND DURATION OF USE IN PATIENTS ADMITTED FOR MILD TO MODERATE BRONCHIOLITIS

**K. Shadman*
Session Title: Hospital Medicine: Clinical - Bronchiolitis/HFNC and Newborn Care

UNDERSTANDING THE ASSOCIATION BETWEEN PROVIDER TYPE AND PERCEIVED EFFICACY OF COMMON INTERVENTIONS IN BRONCHIOLITIS

**K. Shadman*
Session Title: Hospital Medicine: Clinical - Bronchiolitis/HFNC and Newborn Care

CORD BLOOD DNA METHYLATION LEVELS IN GENES REGULATING HEMATOPOIETIC AND MESENCHYMAL CELLS ARE ASSOCIATED WITH INFANT WHITE MATTER MICROSTRUCTURE

*D. Dean, *P. Kling, C. Coe, L. Papale, M. DiPiero, A. Madrid, R. McAdams, R. Alisch, E. Planalp*
Session Title: Neurology 7: Neonatal Neurology Term Imaging

GENDER-BASED LINGUISTIC ANALYSIS OF A MILESTONE-BASED FACULTY TEACHING ASSESSMENT TOOL

**A. Allen, K. Tiedt, J. Eickhoff, S. Webber, M. Kelly, M. Kieren, J. Babal, K. Nackers*
Session Title: Medical Education 12 - Medical Education: Faculty Development

IMPROVING AFTER VISIT COMMUNICATION IN A PEDIATRIC MULTIDISCIPLINARY NEUROMUSCULAR CARE PROGRAM

**K. Shadman*
Session Title: Children with Chronic Conditions IV

TASK ANALYSIS OF IN-HOME SARS-COV-2 RAPID ANTIGEN TESTING BY FAMILIES CARING FOR CHILDREN WITH MEDICAL COMPLEXITY

**H. Barton, G. DeMuri, M. Morgen, E. Wald, M. Kelly, R. Collier, N. Werner*
Session Title: Health Services Research III